

Demystifying Citation Metrics



Michael Ladisch
Pacific Libraries



Journal Impact Factor

Outline

- Use and Misuse of Bibliometrics
- Databases for Citation Analysis
 - Web of Science
 - Scopus
 - Google Scholar
- Journal Ranking
 - Journal Citation Reports
 - ScImago Journal Rank
- Alt-metrics
- Your Resume

Not everything that can be
counted counts, and not
everything that counts can
be counted.

William Bruce Cameron (1963) "Informal Sociology: A Casual Introduction to Sociological Thinking"

Bibliometrics

... is a set of methods to quantitatively analyze academic literature.

Metrics are *one* indicator used for

- Evaluation of research by individual researcher / group / institution
- Awarding research grants
- Recruitment / Promotion
- Discovering relevant publications
- Finding relevant journals

Be aware

- Measuring “Impact” not “Quality”
- Works better in some disciplines than in others
- Metrics are not the “whole picture”, no replacement for peer review

Bibliometrics

Primary metrics:

- Number of publications
- Number of citations received
- Collaborations
- Weighted Impact

Secondary metrics:

- Journal Impact Factor
- H-Index

Types of metrics:

- Journal metrics
- Author metrics
- Article metrics
- Alt-metrics

Bibliometrics

Citation = Citation?

Many reasons for citing

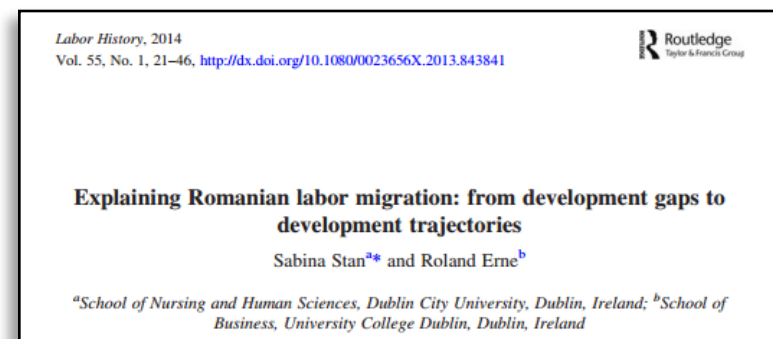
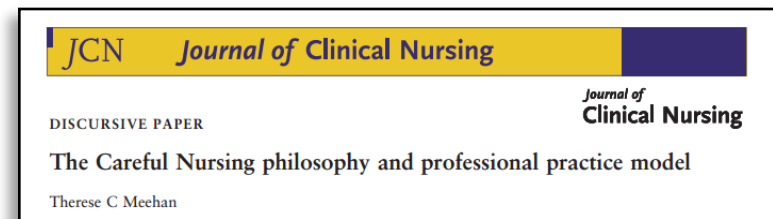
- Acknowledge published or unpublished sources
- Highlight other sources
- Criticize other sources (negative citations)
- Self-citations
- “Strategic citations”
 - Citation networks
 - Publications in same journal/by same publisher

Bibliometrics

Citation = Citation?

Number of Authors / Contribution to publication

- Single author vs. multiple authors
- Position in author listing



Bibliometrics

Citation = Citation?

Document types

- Book
- Book chapter
- Review
- Article
- Conference paper
- Editorial
- Book review
- Note
- Letter to editor
- Correspondence

Location in publication

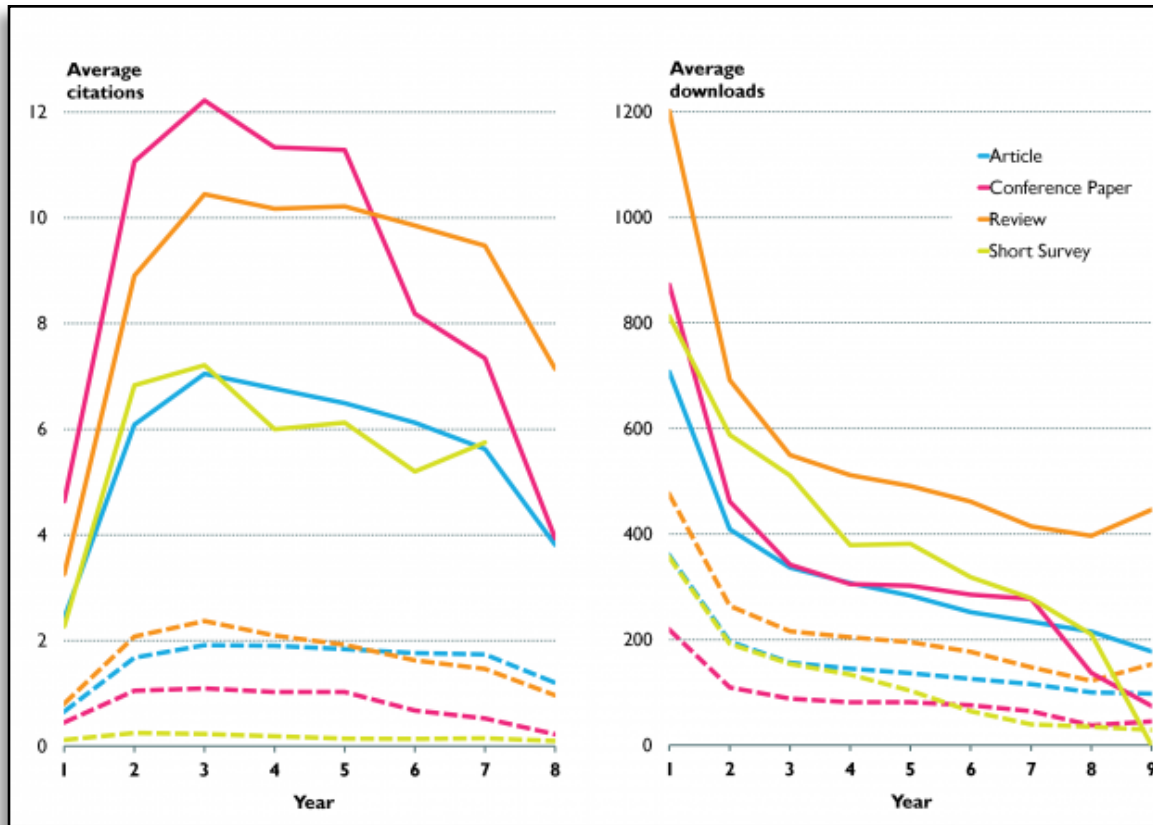
- Introduction
- Background
- Methods
- Results
- Discussion
- Conclusion

Number of occurrences

Bibliometrics

Citation = Citation?

Publication Year

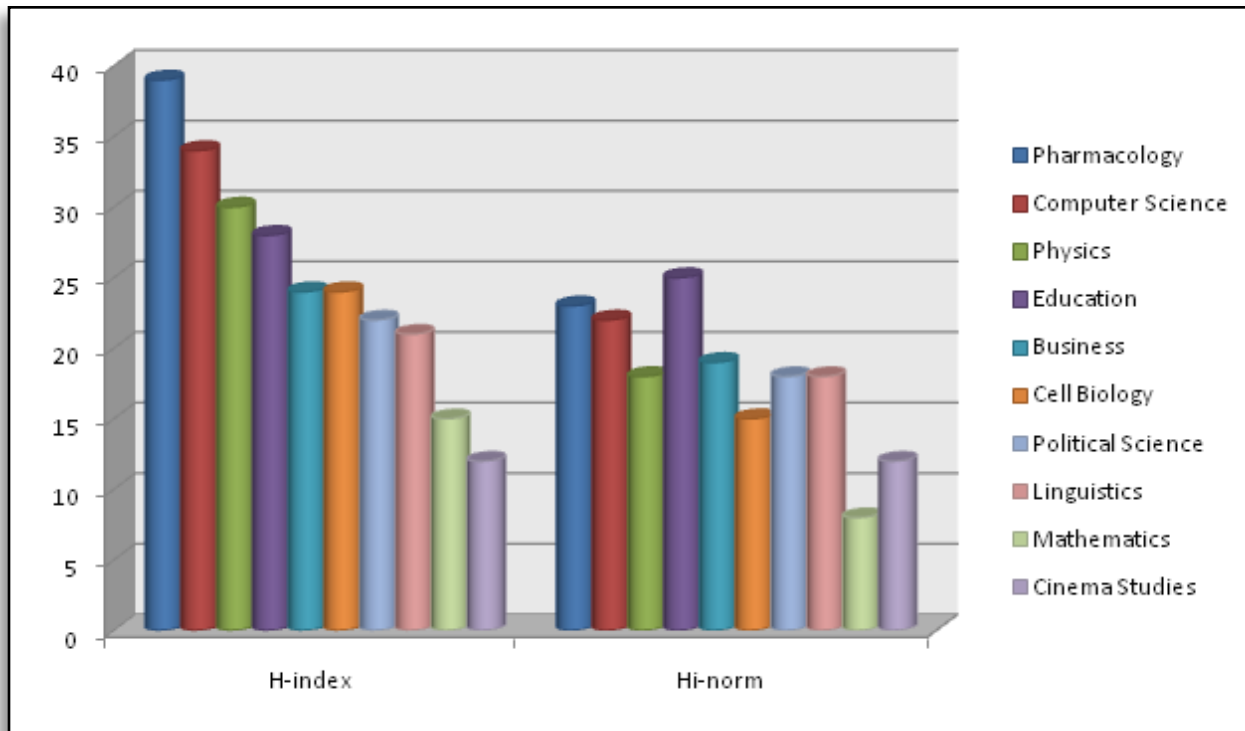


<http://www.researchtrends.com/issue-37-june-2014/downloads-versus-citations-and-the-role-of-publication-language/>

Bibliometrics

Citation = Citation?

Discipline



http://www.harzing.com/data_metrics_comparison.htm#indivh

The Controversy

COMMENT

SUSTAINABILITY Data needed to drive UN development goals **p.432**



CONSERVATION Economics and environmental catastrophe **p.434**

GEOLOGY Questions raised over proposed Anthropocene dates **p.436**

HISTORY Music inspired Newton to add more colours to the rainbow **p.438**



The Leiden Manifesto for research metrics

Use these ten principles to guide research evaluation, urge **Diana Hicks, Paul Wouters** and colleagues.

Data are increasingly used to govern science. Research evaluations that were once bespoke and performed by peers are now routine and reliant on metrics¹. The problem is that evaluation is now led by the data rather than by judgement. Metrics have proliferated: usually well intentioned, not always well informed, often ill applied. We risk damaging the system with the very tools designed to improve it, as evaluation is increasingly implemented by organizations without knowledge of, or

advice on, good practice and interpretation.

Before 2000, there was the Science Citation Index on CD-ROM from the Institute for Scientific Information (ISI), used by experts for specialist analyses. In 2002, Thomson Reuters launched an integrated web platform, making the Web of Science database widely accessible. Competing citation indices were created: Elsevier's Scopus (released in 2004) and Google Scholar (beta version released in 2004). Web-based tools to easily compare institutional research productivity and impact

were introduced, such as InCites (using the Web of Science) and SciVal (using Scopus), as well as software to analyse individual citation profiles using Google Scholar (Publish or Perish, released in 2007).

In 2005, Jorge Hirsch, a physicist at the University of California, San Diego, proposed the *h*-index, popularizing citation counting for individual researchers. Interest in the journal impact factor grew steadily after 1995 (see 'Impact-factor obsession').

Lately, metrics related to social usage ▶

ILLUSTRATION BY DANCOFFRANKS

“Quantitative evaluation should support qualitative, expert assessment.”

nature

International weekly journal of science

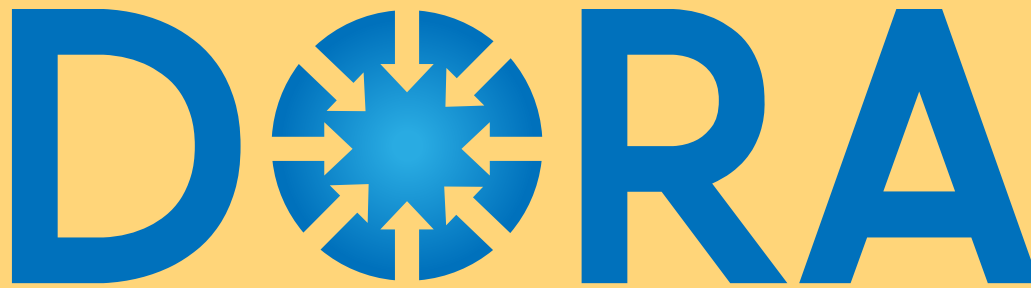
Home | News & Comment | Research | Careers & Jobs | Current Issue

Archive | Volume 520 | Issue 7548 | Comment | Article

<http://www.nature.com/news/bibliometrics-the-leiden-manifesto-for-research-metrics-1.17351>

The Controversy

San Francisco



Declaration on Research Assessment

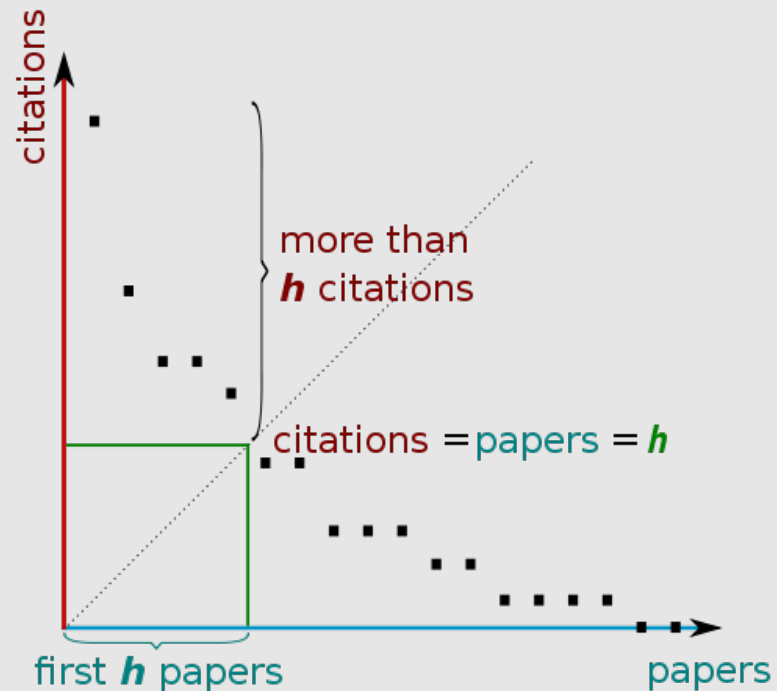
H Index



H-Index

Aims to capture both productivity (output) and impact (citations)

How many **h** of a researcher's publications have at least **h** citations each.



Source: Wikipedia

Pro Contra

The h index is ...

- Considering productivity and impact
- Comprehensible
- Easy to compute

- Not taking subject differences in account
- Disadvantaging early career researchers
- Distinguishing between single and multi-author articles

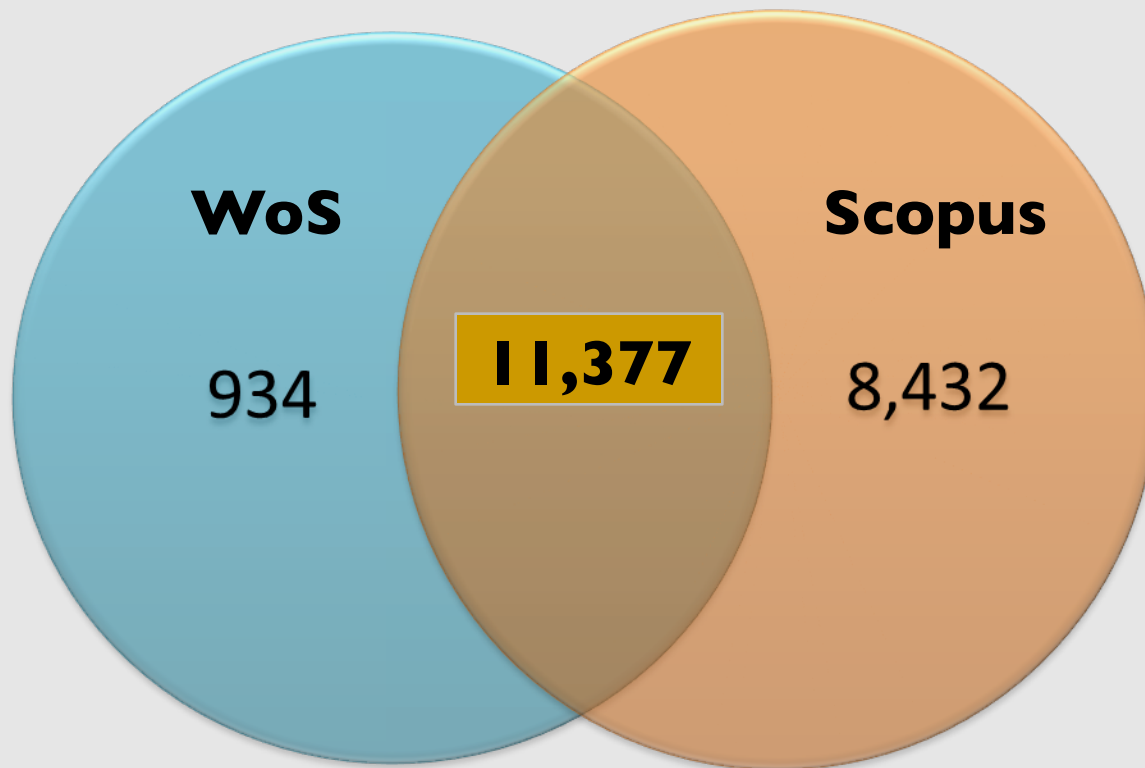


The Tools

- **Scopus (Elsevier)**
- **Web of Sciences (Clarivate)**
- **Google Scholar**
- **Publisher Databases**

The Tools

Web of Science Vs. Scopus Coverage



Author details

[Back to results](#) | 1 of 1

[Print](#) | [E-mail](#)

Vierra, Craig A.

University of the Pacific, California, Department of Biological Sciences, Stockton,
United States

Author ID: 6602322840

[About Scopus Author Identifier](#) | [View potential author matches](#)

Other name formats: Vierra, C. A.
Vierra, C.
Vierra, Craig

Follow this Author Receive emails when this author publishes new articles

[Get citation alerts](#)

[Add to ORCID](#)

[Request author detail corrections](#)

Documents: 29
Citations: 534 total citations by 299 documents
h-index: 13

[Analyze author output](#)

[View citation overview](#)

[View *h*-graph](#)

Co-authors: 85

Subject area: Biochemistry, Genetics and Molecular Biology , Materials Science [View More](#)



29 Documents | Cited by 299 documents | 85 co-authors

29 documents [View in search results format](#)

Sort on: [Date](#) [Cited by](#) [...](#)

[Export all](#) | [Add all to list](#) | [Set document alert](#) | [Set document feed](#)

Molecular mechanisms of spider silk

Hu, X., Vasanthavada, K., Kohler, K.,
(...), Moore, A.M.F., Vierra, C.A.

2006 Cellular and Molecular Life Sciences

64

[Full Text Finder](#)

E2A expression, nuclear localization, and in vivo formation of DNA- and non-DNA-binding species during B-cell development

Jacobs, Y., Vierra, C., Nelson, C.

1993 Molecular and Cellular Biology

58

[Full Text Finder](#)

Molecular and mechanical properties of major ampullate silk of the black widow spider, *Latrodectus hesperus*

Lawrence, B.A., Vierra, C.A., Moore,
A.M.F.

2004 Biomacromolecules

50

Author History

Publication range: 1993 - 2016

References: 424

Source history:

Journal of visualized experiments : JoVE

[View documents](#)

Advances in Silk Science and Technology

[View documents](#)

Molecular and Cellular Biology

[View documents](#)

[View More](#)

[Show Related Affiliations](#)

Analyze author output ?

[Export](#) | [Print](#) | [E-mail](#)

Vierra, Craig A. [Back to author details page](#)
University of the Pacific, California, Department of Biological Sciences, Stockton, United States
Author ID:6602322840

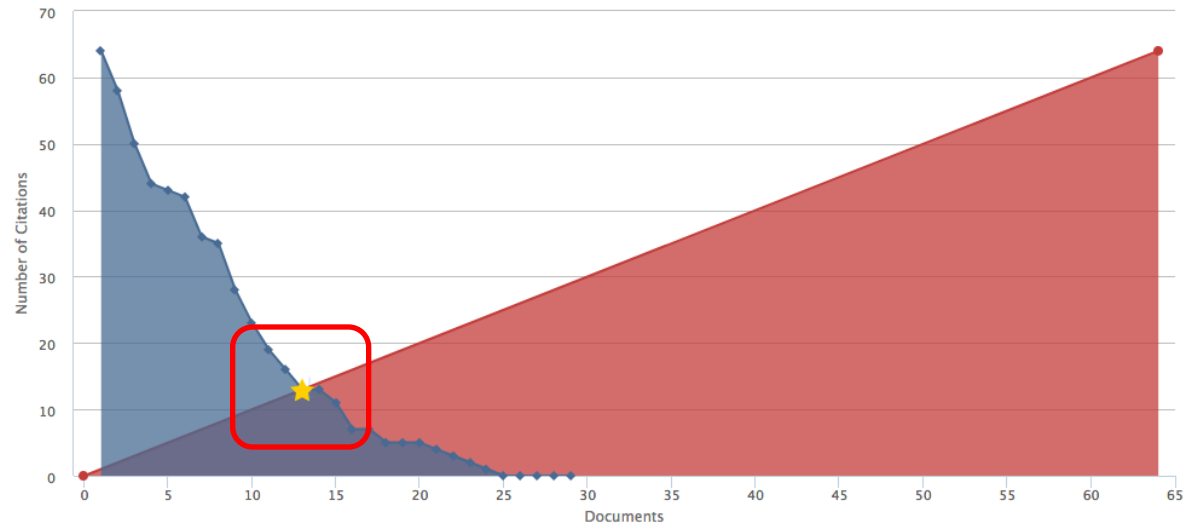
Documents (29) ***h-index (13)*** Citations (534) Co-authors (85)

Analyze documents published between: 1993 to 2017 ☐ Exclude self citations ☐ Exclude citations from books [Update Graph](#)

Documents	Citations	Title
1	64	Molecular mechanisms of spider silk
2	58	E2A expression, nuclear localizatio...
3	50	Molecular and mechanical properti...
4	44	Pyriform spidroin 1, a novel memb...
5	43	Egg case protein-1: A new class of...
6	42	Araneoid egg case silk: A fibroin wi...
7	36	Aciniform spidroin, a constituent of ...
8	35	Spider egg case core fibers: Trimer...
9	28	Analysis of aqueous glue coating p...
10	23	Synthetic spider silk fibers spun fro...
11	19	Conserved C-terminal domain of s...
12	16	The Pan basic helix-loop-helix prot...
13	13	Spider glue proteins have distinct a...
14	13	Characterization of a novel class II ...
15	11	The genomic structure and promot...
16	7	Isolation and characterization of th...

This author's *h-index* is 13

The *h-index* is based upon the number of documents and number of citations.



Note: Scopus is in progress of updating pre-1996 cited references going back to 1970. The *h-index* might increase over time.

Molecular and mechanical properties of major ampullate silk of the black widow spider, *Latrodectus hesperus* [Back to article](#)
(2004) *Biomacromolecules*, 5(3), pp. 689-695

Scopus Metrics ?

Citation Count

50

Cited by in Scopus



Field-Weighted Citation Impact

2.93



Citation Benchmarking

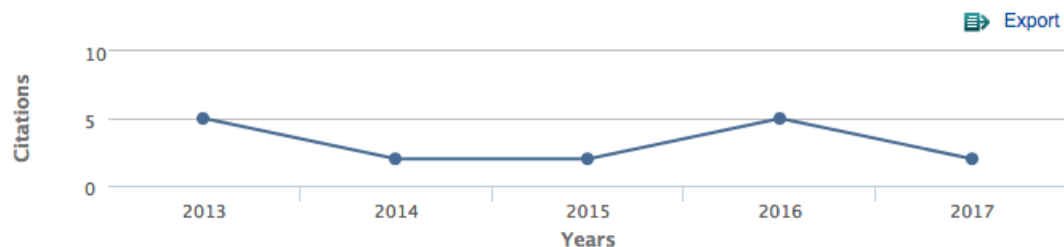
%

86th percentile



Compared to Polymers and Plastics articles of same age and document type ?

Cited by



[Export](#)

50 Citations

Date range: 2013 to 2017

☐ Exclude self citations

☐ Exclude citations from books

Edit the data for this graph.

[Update](#)

Benchmarking ?

Measures of activity relative to specific research domains, based on cited by in Scopus

Compared to Polymers and Plastics articles of the same age and document type

All Citations



86TH PERCENTILE

Web of Science

<https://www.webofknowledge.com/>

Web of Science

Clarivate
Analytics

Search

My Tools ▾

Search History

Marked List

Results: 24
(in your subscription)

View the articles authored by:
Vierra, C

For: AUTHOR: Vierra, C ...[More](#)

Refine Results

Search within results for...



Sort by: Publication Date -- newest to oldest ▾

◀ Page 1 of 3 ▶

☐ Select Page



5K

Save to EndNote online ▾

Add to Marked List

Create Citation Report

Analyze Results

- ☐ 1. **Comprehensive Proteomic Analysis of Spider Dragline Silk from Black Widows: A Recipe to Build Synthetic Silk Fibers**

By: Larracas, Camille; Hekman, Ryan; Dyrness, Simone; et al.

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 17 Issue: 9 Article Number: 1537

Published: SEP 2016



View Abstract

Times Cited: 0
(from Web of Science Core Collection)

Usage Count ▾

Web of Science

<https://www.webofknowledge.com/>

Citation report for **24** results from Web of Science Core Collection between 1990 and 2017

You searched for: **Article Group for: Vierra, C ...More**

This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Export Data:

Total Publications

24



h-index

13

Average citations per item

21.83

Sum of Times Cited

524

Without self citations

449

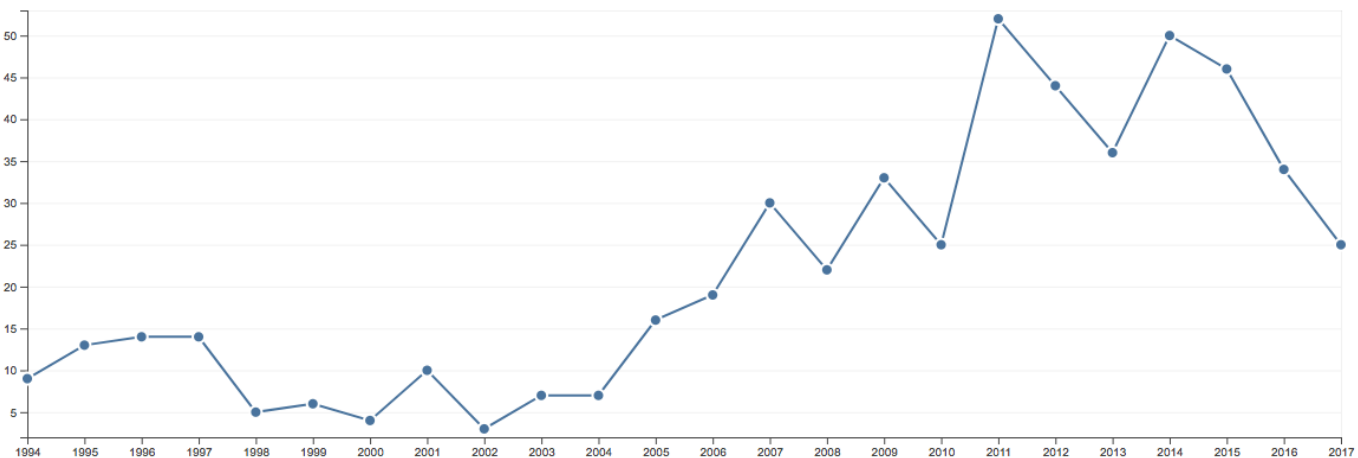
Citing articles

293

Without self citations

273

Sum of Times Cited per Year



Google Scholar Citations

<http://scholar.google.com>



Marcos Gridi-Papp

University of the Pacific

animal communication, auditory physiology, vocal physiology, amphibia, bioacoustics

Verified email at pacific.edu - Homepage

Follow

Title 1–20

Cited by

Year

SoundRuler: acoustic analysis for research and teaching

M Gridi-Papp

Available at: Accessed: Aug 3, 2015

98 * 2007

Animal communication: complex call production in the túngara frog

M Gridi-Papp, AS Rand, MJ Ryan

Nature 441 (7089), 38-38

70 2006

Pure ultrasonic communication in an endemic Bornean frog

VS Arch, TU Grafe, M Gridi-Papp, PM Narins

PLoS One 4 (4), e5413

38 2009

Active control of ultrasonic hearing in frogs

M Gridi-Papp, AS Feng, JX Shen, ZL Yu, JJ Rosowski, PM Narins

Proceedings of the National Academy of Sciences 105 (31), 11014-11019

26 2008

Differential fruit consumption of two Melastomataceae by birds in Serra da Mantiqueira, southeastern Brazil

CO Gridi-Papp, M Gridi-Papp, WR Silva

Ararajuba, 5-10

18 2004

Google Scholar



Citation indices

All

Since 2012

Citations

317

201

h-index

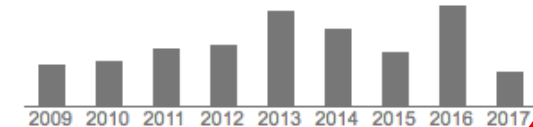
8

6

i10-index

6

6



Journal Metrics



Journal Citation Reports – Journal Impact Factor

InCites™ Journal Citation Reports®



Go to Journal Profile

Master Search



Journals By Rank

Categories By Rank

Journal Titles Ranked by Impact Factor

Show Visualization +

Selected Journals

Add Journals to New or Existing List

Customize Indicators

Select Journals

Select Categories

- ☐ BIODIVERSITY CONSERVATION
- ☒ BIOLOGY
- ☐ BIOPHYSICS
- ☐ BIOTECHNOLOGY & APPLIED MICROBIOLOGY
- ☐ BUSINESS

	Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
1	Physics of Life Reviews	1,327	13.840	0.00318
2	BIOLOGICAL REVIEWS	9,669	11.615	0.01730
3	PLOS BIOLOGY	26,893	9.797	0.06750
4	eLife	15,730	7.725	0.13038
5	BMC BIOLOGY	4,588	6.779	0.01612
6	PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES	36,908	5.846	0.06960
7	FASEB JOURNAL	42,242	5.498	0.05766

Journal Citation Reports – Journal Impact Factor

PLOS BIOLOGY

ISSN: 1545-7885

PUBLIC LIBRARY SCIENCE

1160 BATTERY STREET, STE 100, SAN FRANCISCO, CA 94111

USA

[Go to Journal Table of Contents](#)

[Go to Ulrich's](#)

Titles

ISO: PLoS. Biol.

JCR Abbrev: PLOS BIOL

Categories

BIOCHEMISTRY & MOLECULAR

BIOLOGY - SCIE;

BIOLOGY - SCIE;

Languages

ENGLISH

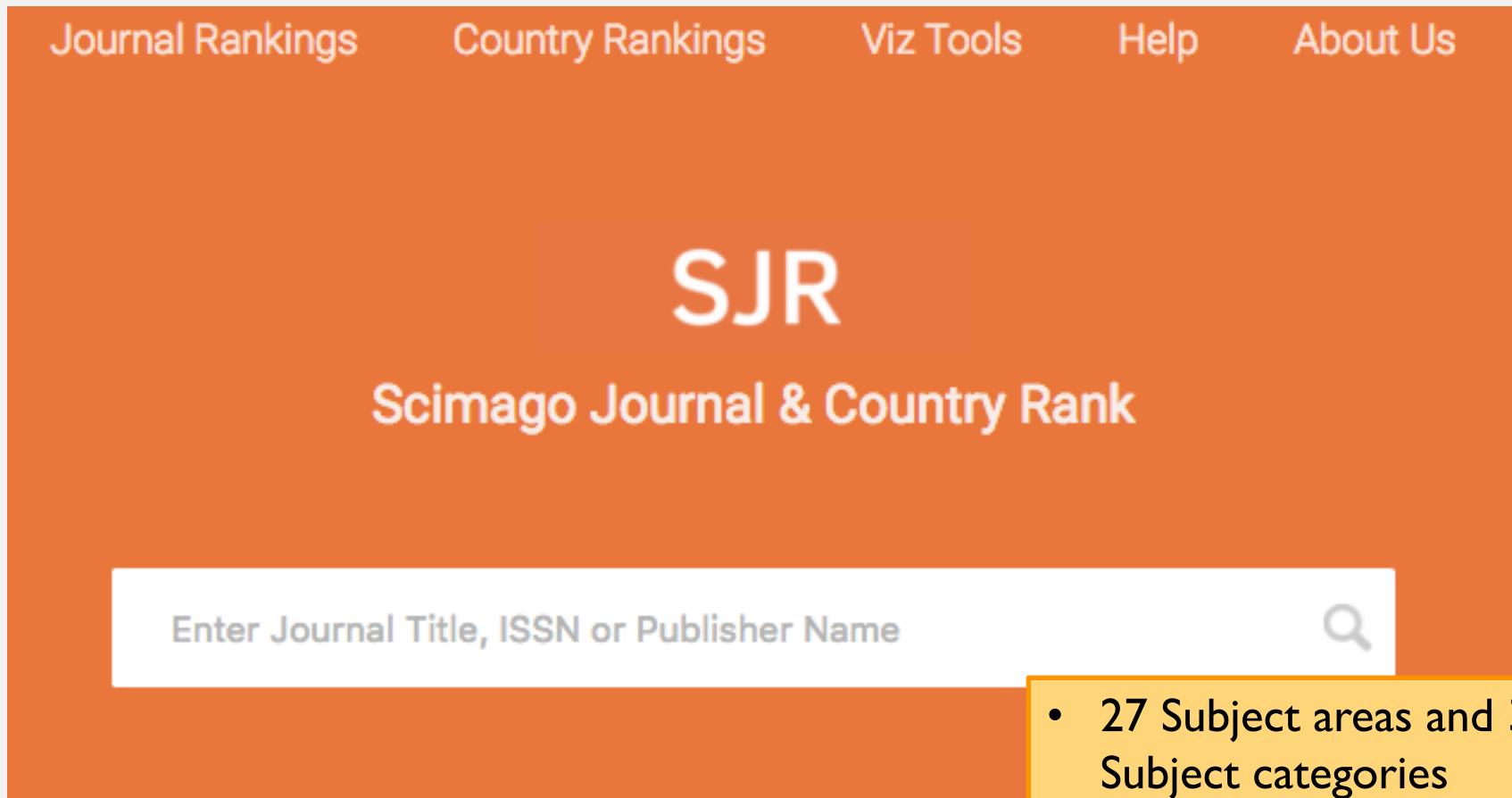
12 Issues/Year;

 Open Access from 2003

Key Indicators

Year ▼	Total Cites Graph	Journal Impact Factor Graph	Impact Factor Without Self Cites Graph	5 Year Impact Factor Graph	Immediacy Index Graph	Citable Items Graph	Cited Half-Life Graph	Citing Half-Life Graph	Eigenfactor Score Graph	Article Influence Score Graph	% Articles in Citable Items Graph	Normalized Eigenfactor Graph	Average JIF Percentile Graph
2016	26,893	9.797	9.624	10.206	2.035	229	7.5	7.5	0.06750	5.190	99.56	7.73479	95.977
2015	25,871	8.668	8.525	10.731	2.437	183	7.1	7.3	0.07936	5.619	100.00	9.04582	95.581
2014	25,729	9.343	9.232	11.896	1.872	187	6.4	7.2	0.09292	6.212	99.47	10.40...	96.273
2013	24,324	11.771	11.650	12.807	1.706	201	5.9	7.0	0.11217	7.064	100.00	12.36...	97.558
2012	22,908	12.690	12.596	13.447	2.151	152	5.2	6.7	0.13390	7.451	100.00	Not A...	98.061
2011	20,579	11.452	11.315	13.630	2.461	180	4.6	6.4	0.14959	7.835	100.00	Not A...	98.068
2010	18,454	12.472	12.326	14.376	2.706	214	4.1	6.2	0.15993	8.211	100.00	Not A...	98.223
2009	15,699	12.916	12.777	14.798	2.692	195	3.5	6.0	0.17622	8.640	100.00	Not A...	98.346
2008	12,186	12.683	12.500	14.662	2.184	212	3.1	5.7	0.15465	8.744	100.00	Not A...	98.289
2007	9,223	13.501	13.271	14.991	2.855	228	2.6	5.7	0.12475	9.413	100.00	Not A...	98.412


SCImago Journal & Country Rank



Journal Rankings Country Rankings Viz Tools Help About Us

SJR

Scimago Journal & Country Rank

Enter Journal Title, ISSN or Publisher Name 

<http://www.scimagojr.com>

- 27 Subject areas and 313 Subject categories
- Uses Scopus dataset
- Calculates 3 years period

SCImago Journal & Country Rank

[Home](#)[Journal Rankings](#)[Country Rankings](#)[Viz Tools](#)[Help](#)[About Us](#)

Agricultural and
Biological Sciences

Plant Science

All regions / countries

All types

2016

☐ Display only Open Access Journals ☐ Display only SciELO Journals (In Progress)







Display journals with at least 0

Citable Docs. (3years)

Apply

Download data

1 - 50 of 406

	Title	Type	↓ SJR	H index	Total Docs. (2016)	Total Docs. (3years)	Total Refs.	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc.	
1	Annual Review of Plant Biology	book serie	14.030 Q1	215	28	86	4278	2159	85	23.25	152.79	
2	Annual Review of Pathology: Mechanisms of Disease	book serie	12.833 Q1	94	23	54	4146	1276	54	26.29	180.26	
3	Studies in Mycology 	journal	6.468 Q1	72	16	45	1847	645	41	15.00	115.44	
4	Plant Cell	journal	5.516 Q1	289	216	1075	12092	8190	932	8.21	55.98	
5	Annual Review of Phytopathology	book serie	5.160 Q1	131	25	80	3530	975	80	11.42	141.20	

Scopus - CiteScore

Scopus

Search

Sources

Alerts

Lists

Help ▾

SciVal ↗

Register >

Login ▾



Source details

Feedback > Compare sources >

Plant Cell

Scopus coverage years: from 1989 to Present

Publisher: American Society of Plant Biologists

ISSN: 1040-4651 E-ISSN: 1532-298X

Subject area: Agricultural and Biological Sciences: Plant Science



Visit Scopus Journal Metrics ↗

CiteScore 2016

7.66



SJR 2016

5.516



SNIP 2016

2.102



[View all documents >](#)

[Set document alert](#)

[Journal Homepage](#)

[Full Text Finder](#)

CiteScore CiteScore rank & trend Scopus content coverage

CiteScore 2016 ▾



7.66 = Citation Count 2016 8,241 Citations >
 Documents 2013 - 2015* 1,076 Documents >

*CiteScore includes all available document types

Calculated on 23 May, 2017

[View CiteScore methodology >](#)

[CiteScore FAQ >](#)

CiteScore rank ⓘ

In category: [Plant Science](#) ▾



Percentile: 98th

Rank: #5/379 >

[View CiteScore trends >](#)

[Add CiteScore to your site ↗](#)

Altmetrics



Altmetrics

"Altmetrics are measures of scholarly impact mined from activity in online tools and environments."

Jason Priem, author of "[Altmetrics: a manifesto](#)"

Benefits:

- A more **nuanced** understanding of impact, showing us which scholarly products are read, discussed, saved and recommended as well as cited.
- Often more **timely** data, showing evidence of impact in days instead of years.
- A window on the impact of web-native **scholarly products** like datasets, software, blog posts, videos and more.
- Indications of impacts on **diverse audiences** including scholars but also practitioners, clinicians, educators and the general public.

New perspectives of impact

ACADEMIC IMPACT

Journal Impact Factor
Citation counts
H-index
Number of publications

Traditional bibliometrics

Can be slow to
accrue



SOCIETAL IMPACT

Download counts
Page views
Mentions in news reports
References in policy
Mentions in social media
Mentions in blogs
Reference manager readers
... etc.

Alternative metrics
"altmetrics"



Altmetrics

Potentially “measured”

- Viewed (publisher websites, Dryad)
- Downloaded (publisher websites , Slideshare, Dryad)
- Cited (WoS, Scopus, PubMed, Wikipedia, CrossRef)
- Shared (Facebook, Twitter)
- Reused/adapted (Github)
- Bookmarked (Mendeley, CiteULike, Delicious)
- Purchased (Library catalogues, Sales numbers)
- Commented upon (Twitter, Mendeley, blogs, publisher websites, Wikipedia, Faculty 1000)

Altmetrics

Caveats

- Lack of standard
- Use of online tools may differ by individual researcher, discipline, over time
- Popularity (attention) does not always equal quality of research or researcher
- Was the spike in hits a one-time, short-attention event?
- Data sources come and go (think MySpace, Connotea)
- Open to manipulation and gaming

Altmetrics - Impactstory



OVERVIEW ACHIEVEMENTS TIMELINE PUBLICATIONS

ACHIEVEMENTS

[view all](#)



Wikitastic Top 10%

Your research is mentioned in 7 Wikipedia articles! Only 5% of researchers are this highly cited in Wikipedia.



Open Access Top 10%

88% of your research is free to read online. This level of availability puts you in the top 6% of researchers.



Hot Streak Top 10%

People keep talking about your research. Someone has shared your research online every month for the last 64 months. That's a sharing streak matched by only 1% of scholars.

TIMELINE

[view all](#)

4335

Online mentions
over 1 years



PUBLICATIONS

[view all](#)

[Best Practices for Scientific Computing](#)
2014 *PLoS Biology*
2455

[The Case for Open Preprints in Biology](#)
2013
534

[Elevating The Status of Code in Ecology](#)
2016 *Trends in Ecology & Evolution*
170

Filter by channel

- Tweets (4k ↑)
- Blog posts (130 ↑)
- Google+ posts (127)
- Facebook pages (38)
- News mentions (10)
- Reddit posts (8)
- Wikipedia articles (7)
- Q&A post mentions (7)
- F1000 reviews (4)
- Public peer reviews (1)
- Weibo posts (1)

<http://impactstory.org/>

Altmetrics – Altmetric.com

STATISTICS FROM ALTMETRIC.COM



See more details

Picked up by 2 news outlets
Blogged by 6
Tweeted by 7
Referenced in 3 Wikipedia
1829 readers on Mendeley
5 readers on CiteULike

Tools for researchers

It's quick and easy to start exploring the Altmetric data for your publications – here's an overview of the tools we provide for individual researchers:



Altmetric Bookmarklet

This free browser plug in lets you instantly see the Altmetric data for any publication with a DOI. Click on the donut to view the full details page for each output.

[Learn more](#)



Altmetric badges

The Altmetric badges enable you to showcase the online attention surrounding your research, and it's free to embed them in your individual profile or publications page in just a few simple steps.

[Learn more](#)



Altmetric API

The Altmetric API is free to use for research purposes! You can use it to query our entire database (which currently contains attention data for over 4 million research outputs).

[Learn more](#)

<https://www.altmetric.com/>

Altmetrics – PlumAnalytics



The timing and spatiotemporal patterning of Neanderthal disappearance.

Citation data: Nature, ISSN: 1476-4687, Vol: 512, Issue: 7514, Page: 306-9
Publication Year: 2014

Explore PlumX Metrics

What are PlumX Metrics? How can they help tell the story about this research? How can I use them?

[Learn more](#)

USAGE ^	5335	CAPTURES ^	470	MENTIONS ^	37	SOCIAL MEDIA ^	324	CITATIONS ^	134
Abstract Views ^	4447	Readers ^	380	Links ^	19	Shares, Likes & Comments ^	217	Citation Indexes ^	134
EBSCO	4447	Mendeley	380	Wikipedia	19	Facebook	217	Scopus	134
HTML Views ^	656	Exports-Saves ^	90	News Mentions ^	17	Tweets ^	104	CrossRef	133
EBSCO	656	EBSCO	90	News	17	Twitter	104	PubMed Central	30
Link-outs ^	196			Economics Blog Mentions ^	1	+1s ^	3		
EBSCO	196			Blogs	1	Google+	3		
Clicks ^	36								
Bitly	36								

ARTICLE SUMMARY

TWEETS

ECONOMICS BLOG MENTIONS

NEWS MENTIONS

WIKIPEDIA

PMID:

MOST RECENT TWEET

[View All Tweets](#)

<https://plumanalytics.com/>

Your Resume

To include in your CV

- Books
- Book chapters
- Journal articles
- Conference papers
- Working papers
- Patents
- Government publications

Count and mention

- Number of citations
- Impact factor of journal
- Your h-Index
- Downloads/views from Repository
- Reviews of book or book chapter

Your Resume

Include also

- Datasets / Open Source Software (download statistics)
- Awards (best paper award etc.)
- Reviewing invitations (journals, conferences)
- Editorial board membership
- Interviews, public appearances
- Scholarly articles in newspapers/magazines
- Links to professional blogs and professional accounts in social media (Twitter, Facebook, ResearchGate, Acedemia.edu, LinkedIn, etc.)

Your Resume

Add Summary for Publications

Publications

Summary: Since 2004 I have published 21 peer-reviewed journal articles (18 as first/corresponding author) and 3 book chapters. I have an h-index of 6 as calculated using Web of Science or 7 as calculated using *Google Scholar*. The following lists ISI Impact Factors and citations according to Google Scholar.

Peer-Reviewed Journal Articles (published or accepted for publication):

Mesoudi, A. (in press). How cultural evolutionary theory can inform social psychology, and vice versa. *Psychological Review*. [Impact Factor 11.77]

Mesoudi, A. (in press). The cultural dynamics of copycat suicide. *PLoS ONE*.

O'Brien, M.J., Lyman, R.L., **Mesoudi, A.**, & VanPool, T. (in press) Cultural traits as units of analysis. *Philosophical Transactions of the Royal Society B*. [Impact Factor 5.56]

Mesoudi, A. & Lycett, S.J. (2009) Random copying, frequency-dependent copying and culture change. *Evolution and Human Behavior*, 30(1), 41-48. [Impact Factor 2.58; 1 citation]

Mesoudi, A. & O'Brien, M.J. (2008) The learning and transmission of hierarchical cultural recipes. *Biological Theory*, 3(1), 63-72.

Danielson, P., M
Philosoph

Research Publications (listed earliest to latest):

- ISI Thompson H-index (all journal publications = 6; research publications = 5)
- Google Scholar H-index (all journal publications = 7; research publications = 5)
- 16 original articles (authorship: 10 first, 4 senior, 1 second, 1 other)
- 29 abstracts (authorship: 25 first, 1 senior)

Your Resume

Downloads

Internet downloads

- 75,000 page downloads from my home page in 2009.
- Over 10,000 hits on INFFER web pages in 2009
- 4,500 downloads for a single paper during 2009: Pannell, D.J. (1997). Sensitivity analysis of normative economic models: Theoretical framework and practical strategies, *Agricultural Economics* 16: 139-152.
- Most downloaded paper in *Australian Journal of Experimental Agriculture* since 2000 – effectively the all time most down loaded paper out of 1300 published in that time (have been no. 1 since May 2008 to present): Pannell, Marshall, Barr, Curtis, Vanclay and Wilkinson (2006).
- 17th most downloaded paper of all time in *Australian Journal of Experimental Agriculture*: Ridley and Pannell (2005).

Thank you!

Feel free to attend other Scholarly Communication Talks

For schedule see: <http://scholarlycommons.pacific.edu/plw/>

And check out the workshops provided by:

[Office of Sponsored Programs](#)

[Institutional Review Board](#)

[Graduate School](#)

[Center for Teaching and Learning](#)

Contact:

Michael Ladisch

Phone: 209.932.3188

Email: mladisch@pacific.edu

Twitter: MichaelLibrCA

ORCID: <http://orcid.org/0000-0002-0124-5582>